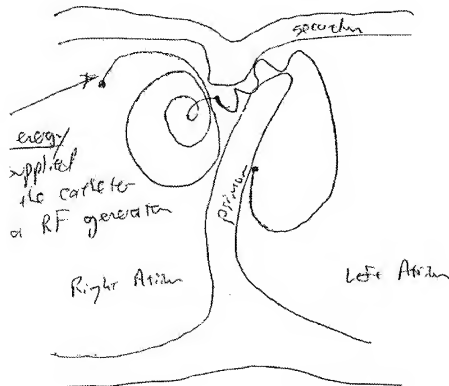


Project No. _____

Book No. _____

TITLE PFO Device - Spiral Spring Coil w/ RF Energy



In another embodiment, a spiral spring coil is inserted through the PFO. The portion of the wire form that goes through the actual PFO is shaped to maximize contact area and flatten the PFO stretching it closed. RF energy is then applied to the wire burn it into the tissue and promote healing which stimulates tissue growth, especially in the area between the primum and secundum where there is a high contact area. The flattened PFO combined with tissue healing on both the adjacent primum and secundum sides might cause the PFO to heal closed. The spring stress provided by the spiral spring coil will keep the PFO closed while the tissue heals. The tissue healing around the wire form will secure it to the tissue and prevent ~~the~~ embolizations.

In another embodiment, a patch might also be used on the left atrial side to provide an additional means to seal the PFO. The patch might be configured as shown on pages 25-27. If it is